ABSTRACT OF THE DISCLOSURE

A silent chain for preventing chordal action and conducting a smooth wrapping around a sprocket comprising a plurality of link plates that are arranged in lateral and longitudinal directions and pivotably connected by connecting pins. Each of the link plates has a pair of teeth and pin apertures into which the connecting pins are inserted. Each of the teeth are formed of an inside flank and an outside flank. The inside flank is formed of a first circular arc on the addendum side and a second circular arc on the dedendum side. Inequalities, $R_1 \geq 2*P$ and $R_1 >> R_2$, are satisfied where the radius of curvature of the first circular arc is R_1, the radius of curvature of the second circular arc is R_2, and the chain pitch is P.